

FIG.1

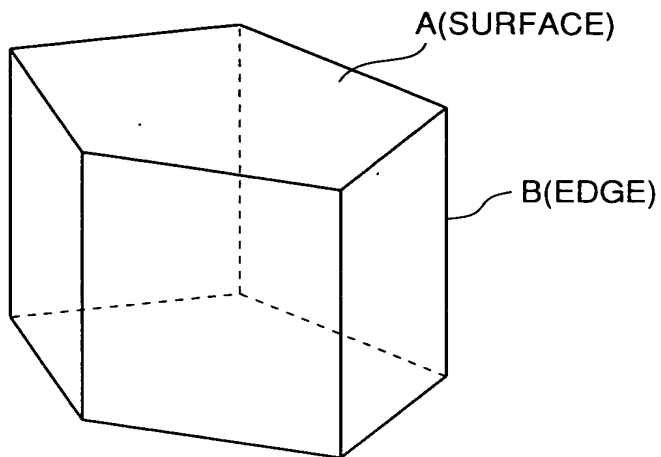
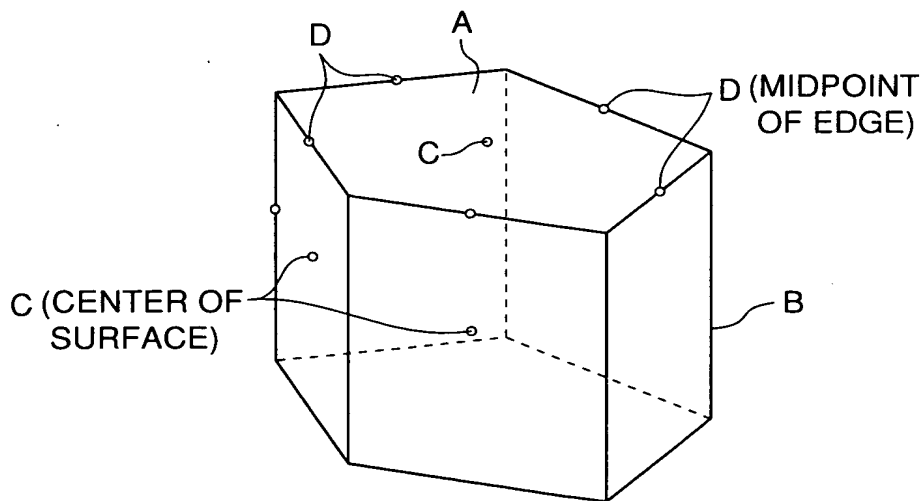


FIG.2



009100-85592560

FIG.3

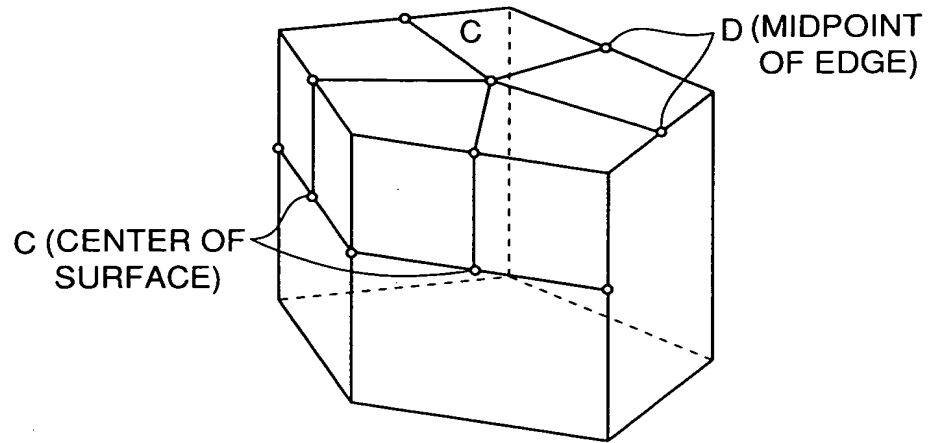
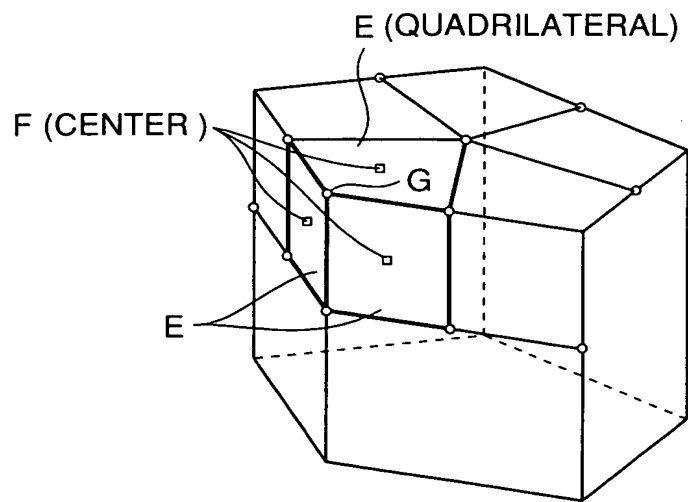


FIG.4



00526548-031600

FIG.5

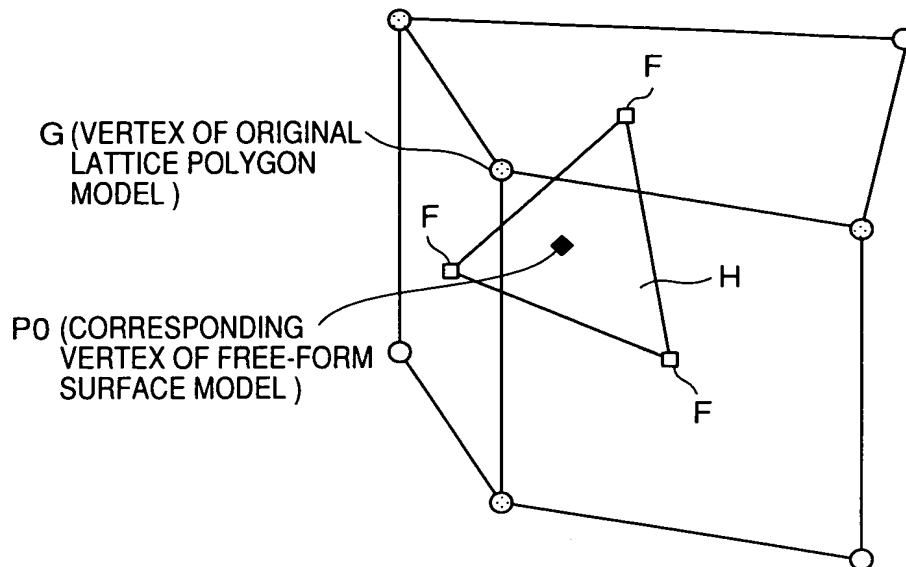


FIG.6

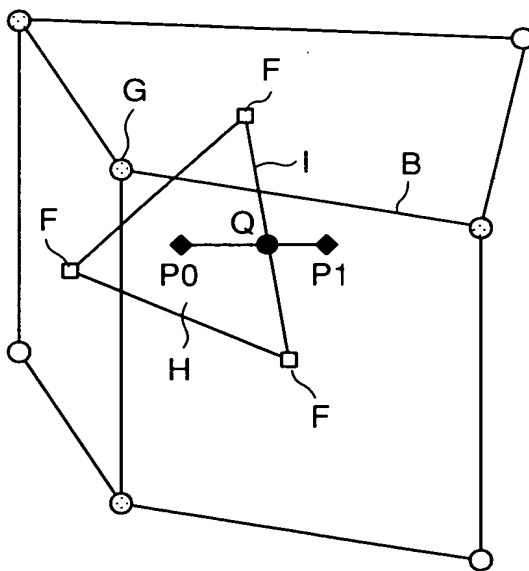


FIG.7

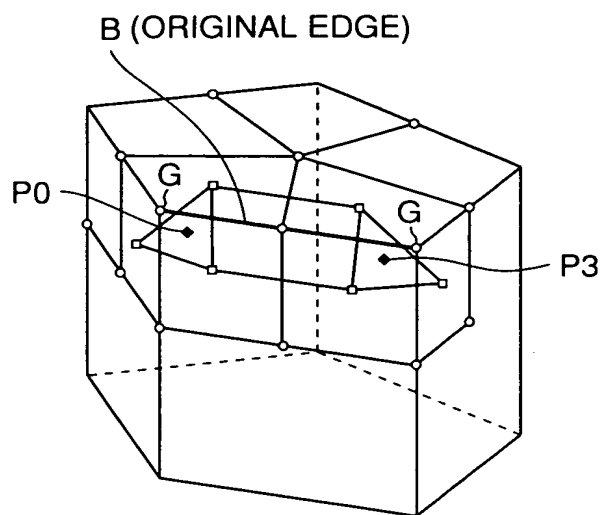
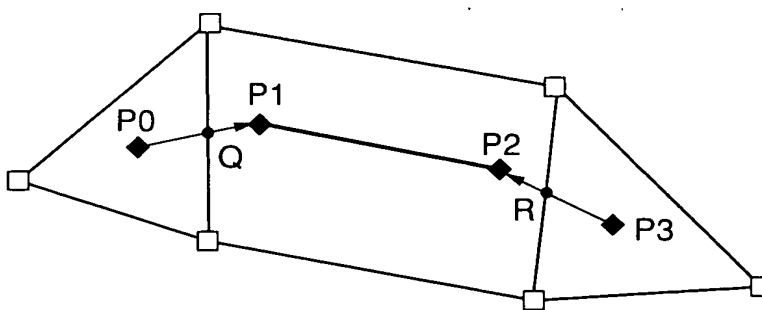


FIG.8



009120-85592560

0097ED-85592560

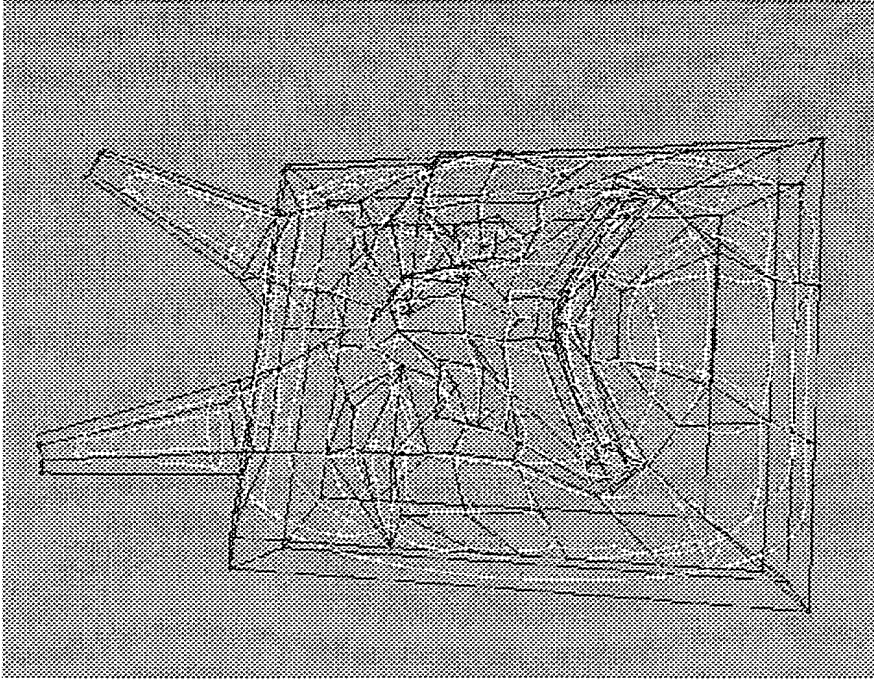
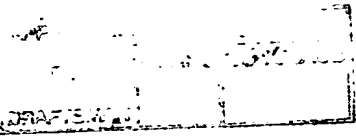


FIG. 9B

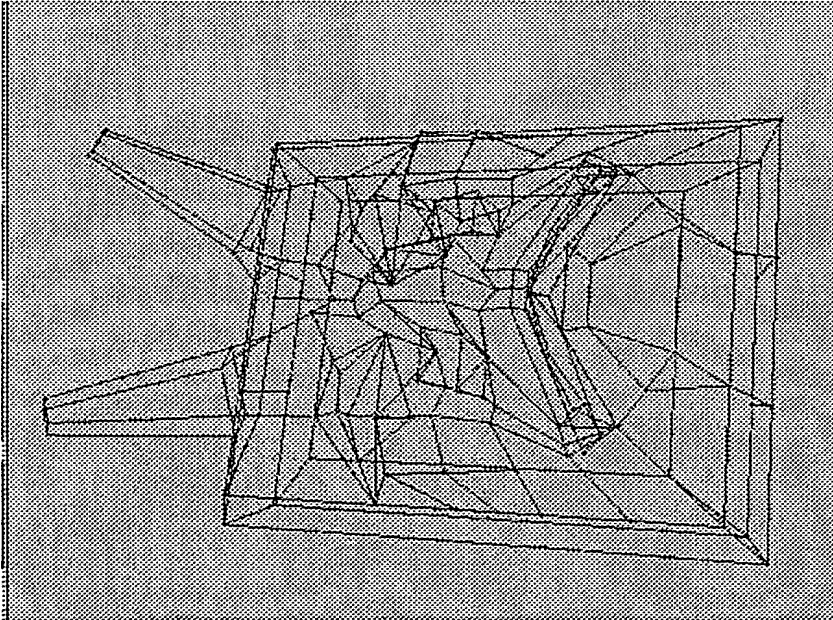
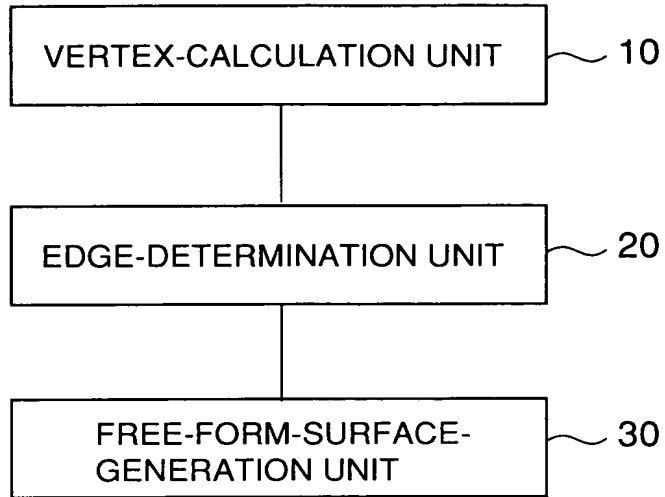


FIG. 9A

FIG.10



00557-4939-21

FIG.11

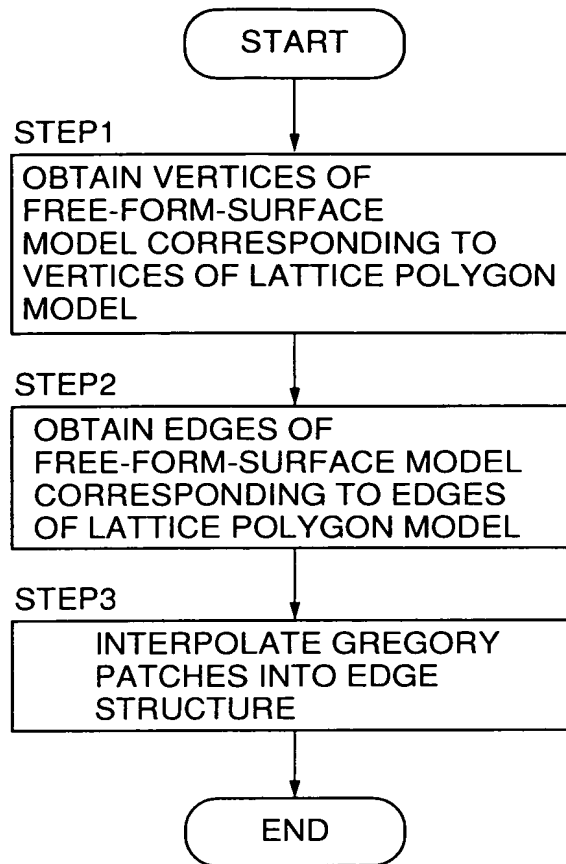
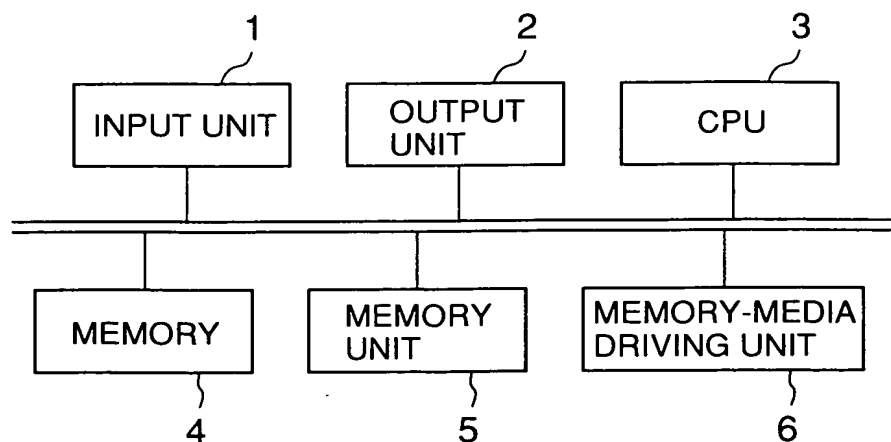


FIG.12



INDEX ↓	COORDINATES (x,y,z) LATTICE POLYGON MODEL	COORDINATES (x,y,z) OF FREE-FORM-SURFACE MODEL
P0		
P1		
P2		
:		
Pn		

EACH ROW INCLUDING
INDICES OF
VERTEX-COORDINATE
TABLE

P0	P1	P2		
P2	P1	P7	P5	
P5	P7	P3	P8	P4

EACH ROW INCLUDING
INDICES OF
VERTEX-COORDINATE
TABLE

START POINT	END POINT	CONTROL POINT 1	CONTROL POINT 2
P0	P1	C0	C1
P1	P2	C2	C3
P2	P3	C4	C5

INDEX ↓	COORDINATES (x,y,z)
C0	
C1	
C2	
:	
Ck	

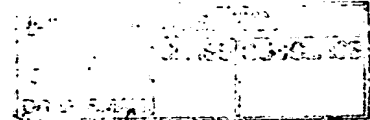
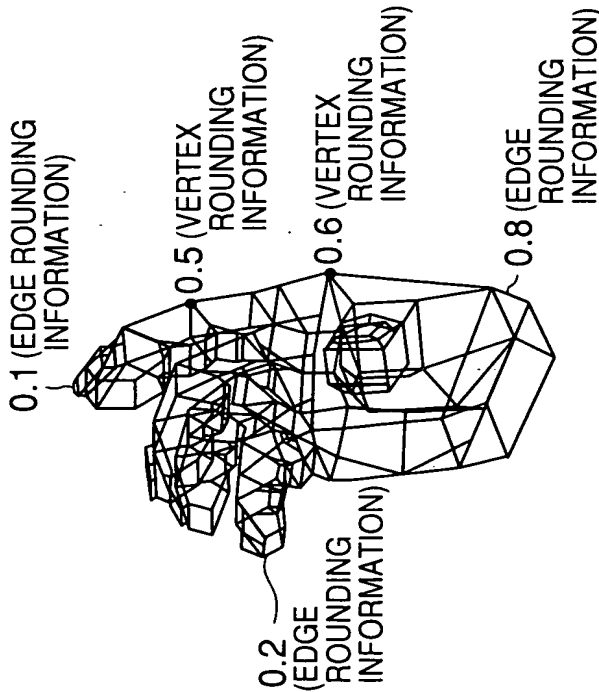
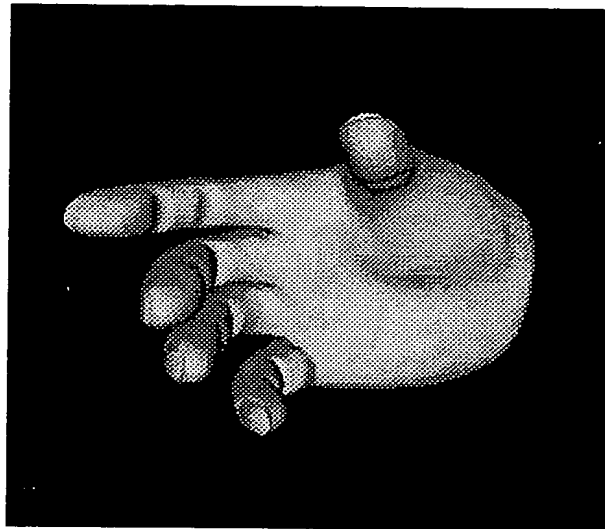
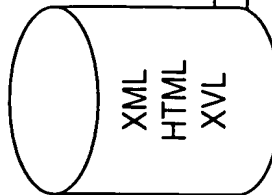


FIG.14

CLIENT PC
ANALYZE LATTICE STRUCTURE IN
XVL FILE, AND GENERATE SURFACE
MODEL TO DISPLAY



SERVER



TRANSFER OF XVL FILE HAVING SMALL DATA SIZE

NETWORK

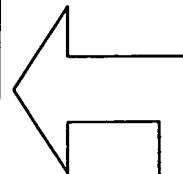
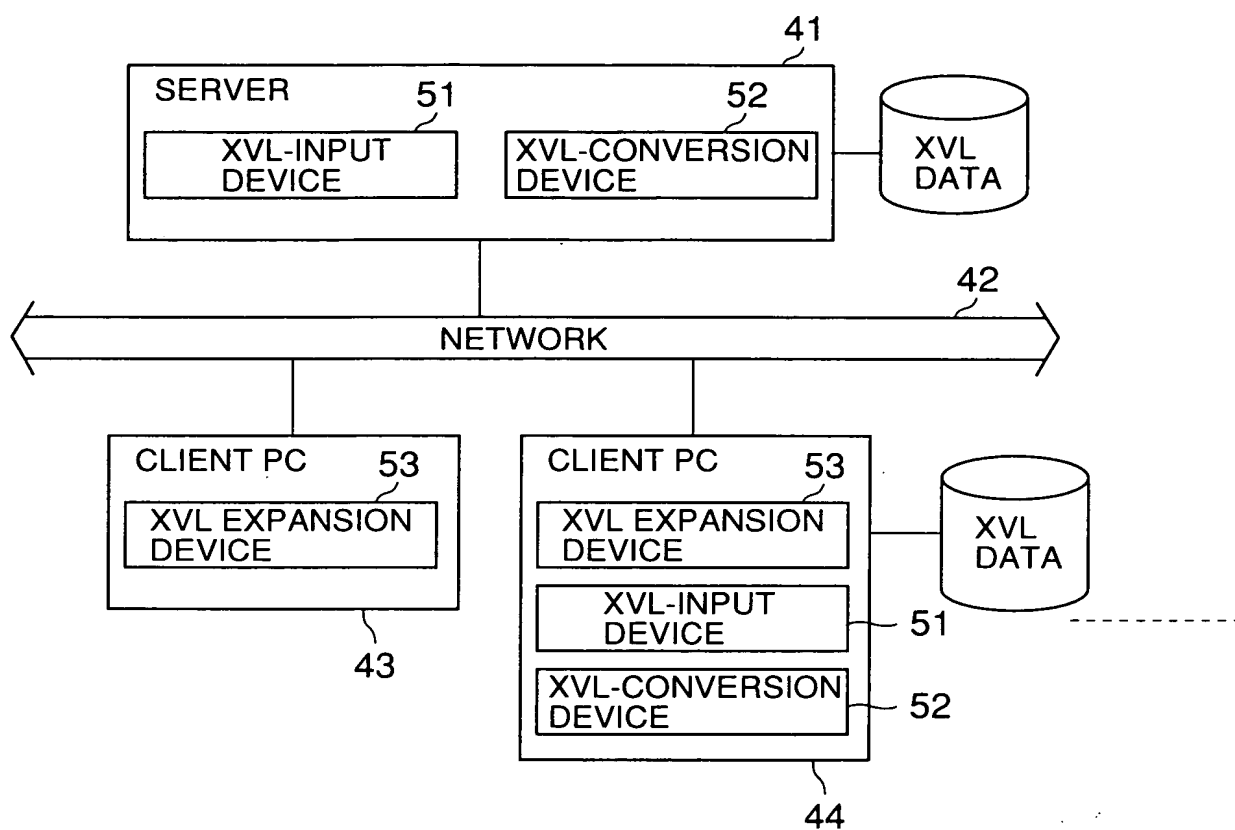
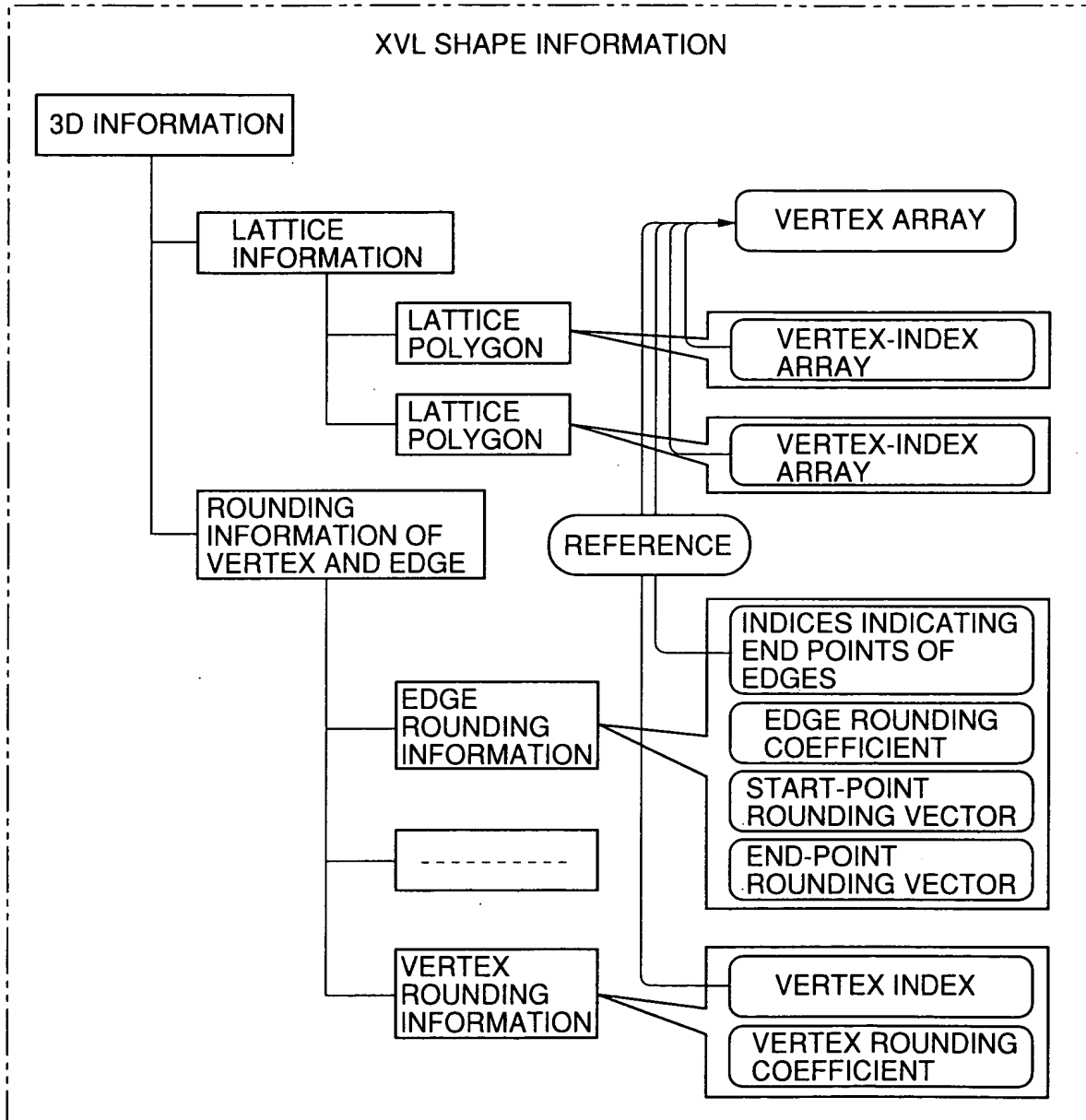


FIG.15



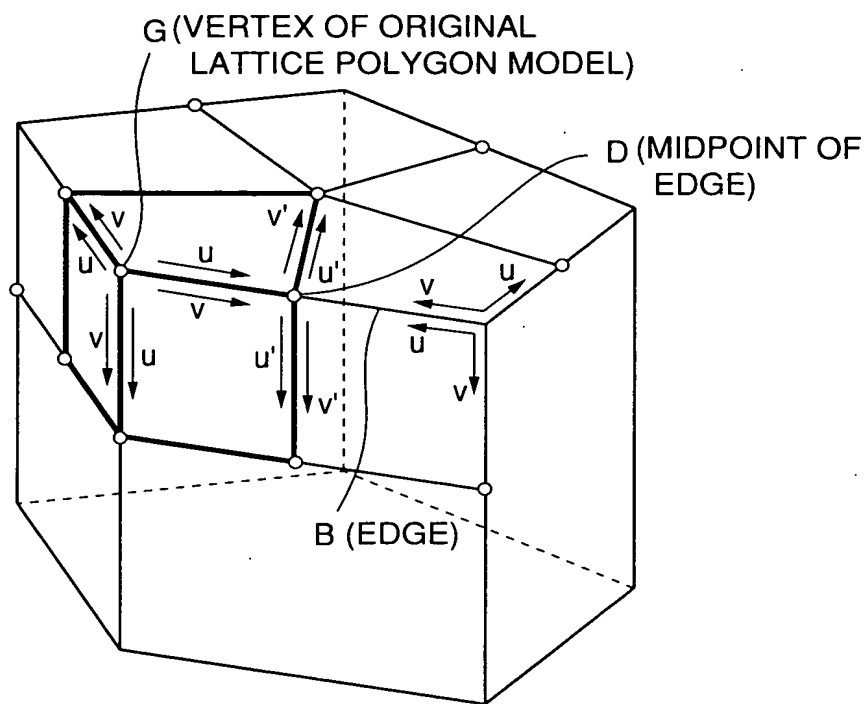
00553.031500
00553.031500

FIG.16



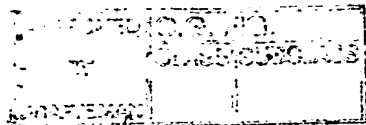
009160:895260

FIG.17



00526558-034600

0097E0 85592560



OBLON ET AL (703) 413-3000

DOCKET # 0557-4939-2X SHEET 13 OF 14

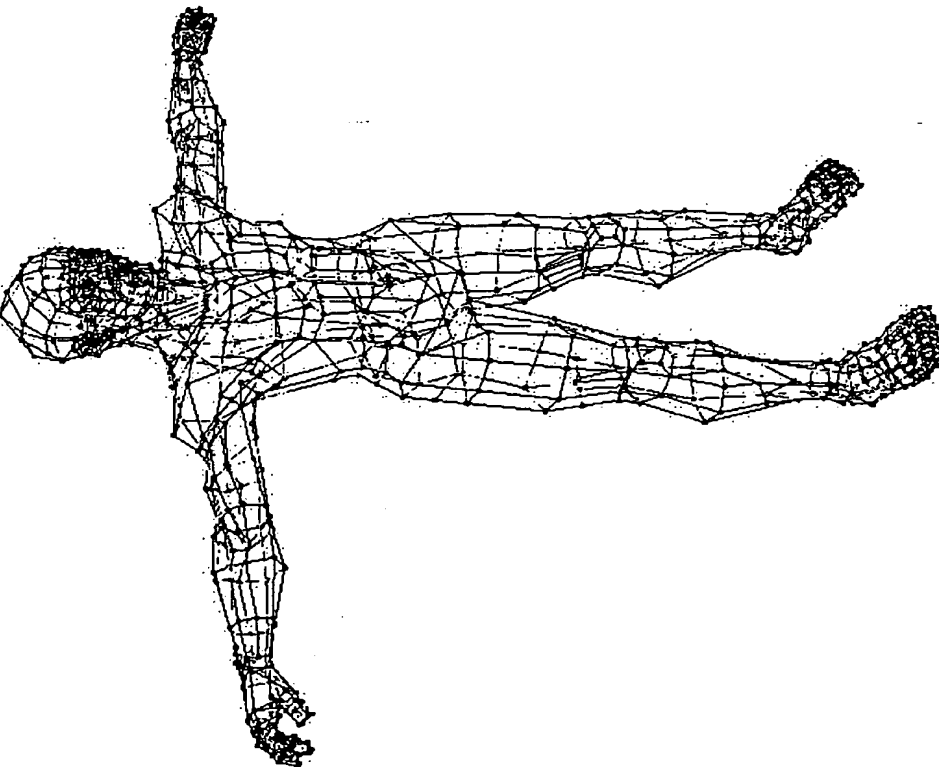


FIG.18A

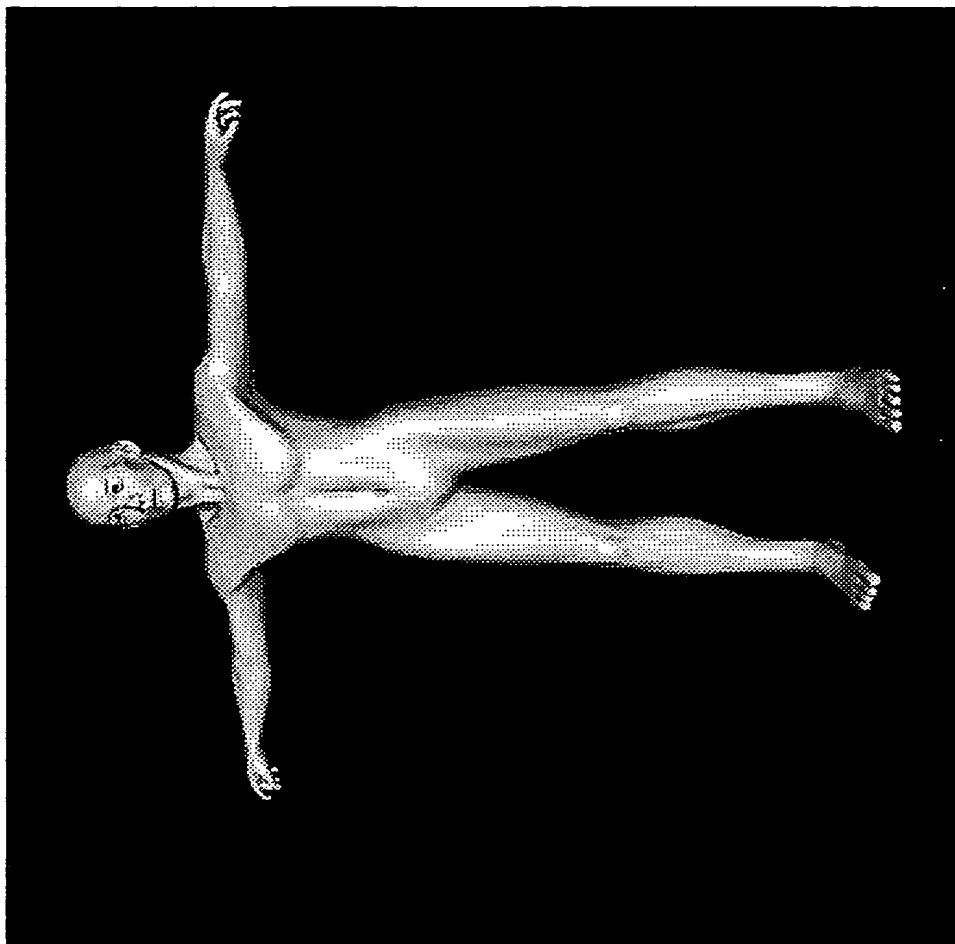
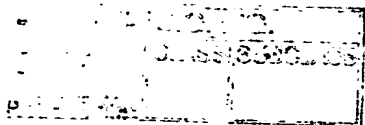


FIG.18B



OBLON ET AL (703) 413-3000

DOCKET #0557-49392X SHEET 14 OF 14

00910-05592560

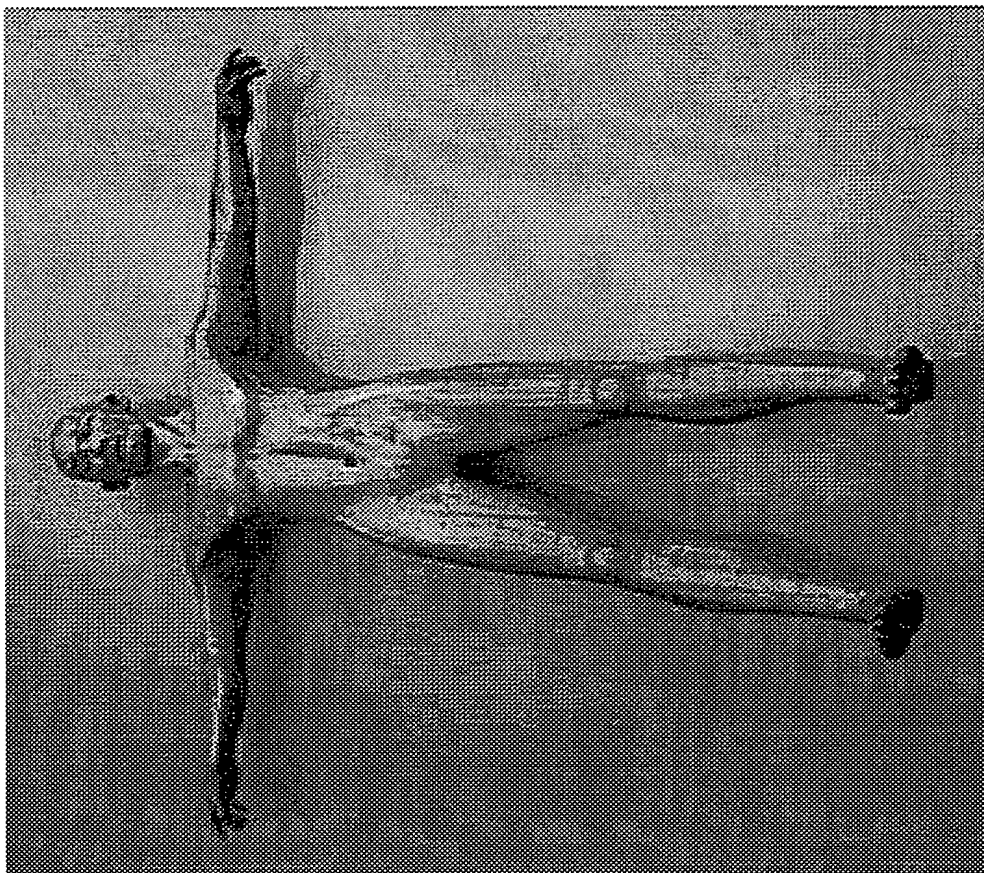


FIG.19